

AMENDMENTS TO THE CLAIMS

1. (Previously presented) A computerized file management system for use with an existing file system, that includes a volume, and for managing electronic files on the volumes, the computerized file management system comprising:

a user interface configured to enable a user to view and manage, within the file management system, metadata associated with the electronic files;

a volume manager configured to manage the electronic files and to manage metadata relating to the electronic files, the volume manager being transactionally based and configured to manage transactions related to a selected file of the electronic files and to keep a record of changes that includes information indicative of i) what changes are made to the selected file, ii) who makes the changes to the selected file, and iii) when the changes were made to the selected file; and

a coherency manager module configured to track i) a version of the selected file; and ii) a relationship of the selected file, to another of the electronic files, based on metadata associated with the selected file;

wherein the record of changes relates to changes caused by a user to at least one of the content of the selected file and the metadata related to the selected file.

2. (Original) The system of claim 1, wherein the metadata includes automatically generated metadata and user defined metadata.

3. (Previously presented) The system of claim 1, further comprising version control means configured to automatically manage versions of the selected file through the file management system based on opening, saving and changing of a file.

4. (Previously presented) The system of claim 1, further comprising means configured to enable certain actions to occur automatically based on predetermined events, including changes to the metadata, to facilitate workflow.
5. (Previously presented) The system of claim 1, further comprising a user interface that enables a user to view and manage, within the file management system, metadata associated with the electronic files, the user interface being configured to:
 - graphically display information about the files and the metadata; and
 - enable the user to manipulate the files and the metadata.
6. (Previously presented) The system of claim 1, wherein the system is configured to organize files based on content-addressability.
7. (Original) The system of claim 1, further comprising a customizable taxonomy to organize and manage files.
8. (Original) The system of claim 1, wherein files are classified and organized by one or more tags.
9. (Original) The system of claim 1, wherein representations of a single file can appear in more than one folder.

10. (Previously presented) The system of claim 1, further comprising means configured to provide automatic versioning in the file system based on opening, changing and saving file in its native application.

11. (Previously presented) The system of claim 1, further comprising means configured to enable automatic workflow.

12. (Previously presented) The system of claim 1, further comprising means configured to enable event-driven triggers.

13. (Previously presented) The system of claim 1, further comprising means configured to enable event-driven actions to facilitate sharing and access control of content.

14. (Previously presented) The system of claim 1, wherein the system is configured to use tags to control actions.

15. (Previously presented) The system of claim 1, wherein the system is configured to use tags to control or specify workflow.

16. (Previously presented) The system of claim 1, wherein the user interface comprises means configured to enable a user to view or change tags.

17. (Original) The system of claim 1, further comprising folders to facilitate the categorization of content, wherein the name of a folder is used to perform a query to dynamically determine contents of the folder.

18. (Original) The system of claim 1, further comprising folders to facilitate the categorization of content, wherein the folders include dynamic folders.

19. (Original) The system of claim 1, further comprising folders to facilitate the categorization of content, wherein the folders are automatically updated in real time.

20. (Original) The system of claim 1, further comprising folders to facilitate the categorization of content, wherein the folders are persistent.

21. (Original) The system of claim 1, further comprising folders to facilitate the categorization of content, wherein the folders include various folder types including one or more of Query, Search, Merge, Magnetic, and Typed.

22. (Original) The system of claim 1, further comprising folders to facilitate the categorization of content, wherein the folders include Query folders, wherein the Query folders perform queries based on tags that encapsulate search criteria and matching objects are associated with the Query folder.

23. (Original) The system of claim 1, further comprising folders to facilitate the categorization of content, wherein the folders include Search folders, wherein the Search folders perform free text searches and wherein matching objects are associated with the folder.

24. (Original) The system of claim 23, wherein the Search folders are integrated with at least one search engine.

25. (Original) The system of claim 1, further comprising folders to facilitate the categorization of content, wherein the folders include Merge folders that combine content of two or more other folders.

26. (Previously presented) The system of claim 25, wherein the folders are combined using Boolean logic.

27. (Original) The system of claim 25, further comprising a merge list of folders to be merged.

28. (Original) The system of claim 25, wherein the merge occurs in real-time.

29. (Original) The system of claim 25, wherein changes in related folders results in changes to the Merge folder.

30. (Original) The system of claim 1, further comprising the use of a combination of Query and Search Folders with Merge Folders.

31. (Previously presented) The system of claim 1, further comprising folders to facilitate the categorization of content, wherein the folders include Magnetic folders that disable removal if the selected file ever matches a query associated with the folder.

32. (Original) The system of claim 1, further comprising folders to facilitate the categorization of content, wherein the folders include Typed folders that store and retain certain types of files.

33. (Canceled)

34. (Previously presented) The system of claim 1, wherein changes to files or folders are applied in an all or none fashion.

35. (Previously presented) The system of claim 1, wherein for each transaction, the system provides a single one of the record of changes.

36. (Previously presented) The system of claim 1, wherein the system further comprises a show history feature.

37. (Previously presented) The system of claim 36, further comprising a view history feature that enables a user to view what used to be in a folder but was at least one of deleted and moved.

38. (Previously presented) The system of claim 36, wherein the user interface enables a user to open and explore what used to be in a folder but was at least one of deleted and moved and to at least one of Undelete and Bring Back changed content.

39. (Original) The system of claim 36, further comprising an Undo feature.

40. (Previously presented) The system of claim 39, wherein the Undo feature includes a dialog box in the user interface that brings up changes to a file or folder and an option to undo one or more changes to at least one of the selected file, a folder and a folder hierarchy.

41. (Original) The system of claim 36, wherein the system enables an As of View.

42. (Previously presented) The system of claim 1, further comprising means for enabling a user to freeze at least one of files and folders such that a user cannot modify such files and folders, and cannot modify tags associated with the frozen files and folders.

43. (Previously presented) The system of claim 1, further comprising means for enabling a user to freeze at least one of files and folders and further comprising the use of hash codes to verify the integrity of frozen content.

44. (Original) The system of claim 1, further comprising a version control feature.

45. (Original) The system of claim 1, further comprising a version control feature, wherein the version control feature includes a Show Versions feature that displays all past versions, frozen files and provides a make current option.

46. (Previously presented) The system of claim 1, further comprising a version control feature, wherein the version control feature includes a Snapshot feature that copies, freezes and associates with past versions, who made changes, when changes were made, and why changes were made.

47. (Original) The system of claim 1, further comprising Smart Copies, Live Copies, and Deferred Copies.

48. (Currently amended) The system of claim 47, wherein the coherency manager module is configured such that i) Live Copies of files A and B first and second files initially refer to the same underlying data, and changes in one in the first file are reflected immediately in the second file other; and ii) deleting the first file one has no effect on the second file other.

49. (Previously presented) The system of claim 47, further comprising more than one of the volume wherein the copies can be on different ones of the more than one volume and managed via the coherency manager.

50. (Previously presented) The system of claim 47, wherein at least one of Live Copies of folders and files are treated as one object with common metadata and version history regardless of location or number of copies.

51. (Currently amended) The system of claim 47, wherein the coherency manager module is configured such that i) Deferred Copies of first and second files initially refer to the same underlying data in a single file location and ii) Files A and B are used when a “regular” copy is requested so that initially the volume manager knows A and B refer to the same file and initially share the same data, but when one the first file is modified, the Volume Manager makes a copy of the underlying data such that the first file refers to data in a first file location and the second file refers to data in a second file location, and then each file has its own separate data.

52. (Original) The system of claim 51, wherein the system only allocates new space for a file or folder when a new/modified copy is needed.

53. (Original) The system of claim 51, wherein the files share previous version history.

54. (Currently amended) The system of claim ~~[[51]]~~ 47, wherein the coherency manager module is configured such that a user can copy a past version of a first file ~~the File A~~ to a second file ~~new File C~~, and wherein the first and second files ~~Files A and C~~ will share the same version history up to the point where a copy was made.

55. (Previously presented) The system of claim 1, wherein the system further comprises Smart Links that can be at least one of a relative link, an absolute link, a URL and a sticky link.

56. (Original) The system of claim 1, wherein the system further comprises Smart Caching.

57. (Original) The system of claim 1, wherein the system further comprises Smart Back Up features.

58. (Original) The system of claim 1, wherein the system maintains and manages relationships, including versions and copies.

59. (Original) The system of claim 1, wherein the system maintains and displays hierarchy of versions, including modifications.

60. (Previously presented) The system of claim 1, wherein the system maintains and displays a hierarchy of copies.

61. (Original) The system of claim 1, wherein the system tracks movement and use of files.

62. (Original) The system of claim 1, wherein a versions feature enables versions to be marked as special, enables versions to appear in folders as regular files and icons in a user interface show which files are versions.

63. (Original) The system of claim 1, wherein a versions feature enables old versions to be displayed only upon request.

64. (Original) The system of claim 1, wherein a versions feature enables new versions to inherit metadata from previous files.

65. (Original) The system of claim 1, wherein a versions feature enables files to be frozen when versioned or by user when desired.

66. (Original) The system of claim 1, wherein the system is an integrated part of a computer operating system.

67. (Original) The system of claim 1, wherein the system is integrated with enterprise applications.

68. (Original) The system of claim 1, further comprising built-in work flow, whereby various actions can trigger updates to enterprise applications and enterprise applications can the update file system.

69. (Previously presented) The system of claim 1 wherein the volume manager is configured such that the electronic files are inhibited from leaving control of the system.

70. (Previously presented) The system of claim 1 wherein the volume manager is configured such that the electronic files never leave control of the file management system.